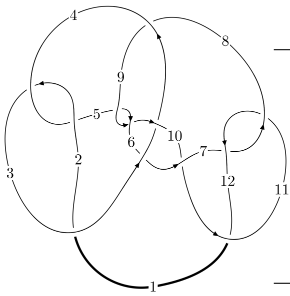
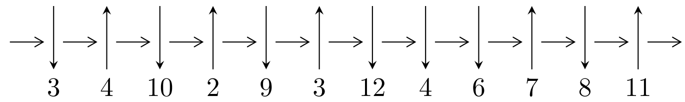
$12n_{0142}$ ($K12n_{0142}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

$$3,10 \underset{c_3}{\rightarrow} 4,6 \underset{c_6}{\rightarrow} 7 \underset{c_{10}}{\rightarrow} 11 \underset{c_2}{\rightarrow} 2 \underset{c_1}{\rightarrow} 1 \underset{c_9}{\rightarrow} 9 \underset{c_5}{\rightarrow} 5 \underset{c_8}{\rightarrow} 8 \underset{c_{12}}{\rightarrow} 12 \twoheadrightarrow c_4, c_7, c_{11}$$

Ideals for irreducible components[2] of $X_{\textbf{par}}$

$$I_1^u = \langle 2.35580 \times 10^{24} u^{34} + 5.23556 \times 10^{24} u^{33} + \cdots + 1.45032 \times 10^{25} b - 1.44449 \times 10^{25},$$
$$2.40552 \times 10^{24} u^{34} + 8.47444 \times 10^{24} u^{33} + \cdots + 7.25161 \times 10^{24} a + 1.23374 \times 10^{25},\ u^{35} + 2u^{34} + \cdots + 2u - 1$$
$$I_2^u = \langle b^4 + 4b^3 u - 4b^3 - 4b^2 u + u - 1,\ a - u + 1,\ u^2 - u + 1 \rangle$$
$$I_3^u = \langle b^3 - 3b^2 u - 3b^2 + 3bu + 1,\ a + u + 1,\ u^2 + u + 1 \rangle$$

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 49 representations.

[1] The image of knot diagram is generated by the software "**Draw programme**" developed by Andrew Bartholomew(`http://www.layer8.co.uk/maths/draw/index.htm#Running-draw`), where we modified some parts for our purpose(`https://github.com/CATsTAILs/LinksPainter`).

[2] All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

I.

$$\boldsymbol{I_1^u = \langle 2.36 \times 10^{24} u^{34} + 5.24 \times 10^{24} u^{33} + \cdots + 1.45 \times 10^{25} b - 1.44 \times 10^{25},\ 2.41 \times 10^{24} u^{34} + 8.47 \times 10^{24} u^{33} + \cdots + 7.25 \times 10^{24} a + 1.23 \times 10^{25},\ u^{35} + 2u^{34} + \cdots + 2u - 1 \rangle}$$

(i) Arc colorings

$$a_3 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_4 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -0.331722u^{34} - 1.16863u^{33} + \cdots - 6.30773u - 1.70134 \\ -0.162433u^{34} - 0.360993u^{33} + \cdots + 0.130097u + 0.995980 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -0.494155u^{34} - 1.52962u^{33} + \cdots - 6.17763u - 0.705356 \\ -0.162433u^{34} - 0.360993u^{33} + \cdots + 0.130097u + 0.995980 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 0.593442u^{34} + 0.968496u^{33} + \cdots - 3.97361u + 2.63388 \\ -0.474317u^{34} - 1.15537u^{33} + \cdots + 1.27477u + 0.0691574 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} u^2 + 1 \\ u^4 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} u^4 + u^2 + 1 \\ u^4 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 1.46457u^{34} + 3.18756u^{33} + \cdots - 3.14002u + 2.39592 \\ -0.396812u^{34} - 1.06370u^{33} + \cdots - 0.108352u + 0.168805 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} u^4 + u^2 + 1 \\ u^6 + u^2 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1.03514u^{34} + 2.01243u^{33} + \cdots - 4.19611u + 2.30630 \\ -0.466022u^{34} - 1.17415u^{33} + \cdots + 0.0947758u - 0.147474 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} -0.214267u^{34} - 0.843549u^{33} + \cdots - 2.91396u + 3.23369 \\ -0.447509u^{34} - 0.903401u^{33} + \cdots + 3.98711u - 0.173391 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= \frac{2931786332936668100405 13}{1812902632604430856362551}u^{34} - \frac{1485220871768859334081099}{7251610530417723425450204}u^{33} + \cdots - \frac{2251937090219360057052 6111}{1812902632604430856362551}u - \frac{6630145935705280334996315}{3625805265208861712725102}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{35}+54u^{34}+\cdots+132u-1$
c_2, c_4	$u^{35}-6u^{34}+\cdots-4u+1$
c_3	$u^{35}+2u^{34}+\cdots+2u-1$
c_5, c_9	$u^{35}+3u^{34}+\cdots-83u+13$
c_6	$u^{35}+2u^{34}+\cdots+178664u+28669$
c_7, c_{11}	$u^{35}+u^{34}+\cdots+4u+4$
c_8	$u^{35}-2u^{34}+\cdots+342120u+112661$
c_{10}	$u^{35}-u^{34}+\cdots-1020u+404$
c_{12}	$u^{35}-15u^{34}+\cdots-80u+16$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{35} - 138y^{34} + \cdots + 4900y - 1$
c_2, c_4	$y^{35} + 54y^{34} + \cdots + 132y - 1$
c_3	$y^{35} + 6y^{34} + \cdots - 4y - 1$
c_5, c_9	$y^{35} - 55y^{34} + \cdots - 1795y - 169$
c_6	$y^{35} + 42y^{34} + \cdots - 5590382760y - 821911561$
c_7, c_{11}	$y^{35} + 15y^{34} + \cdots - 80y - 16$
c_8	$y^{35} - 90y^{34} + \cdots - 117701124860y - 12692500921$
c_{10}	$y^{35} + 15y^{34} + \cdots - 4334416y - 163216$
c_{12}	$y^{35} + 15y^{34} + \cdots + 768y - 256$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.604506+0.837594I$ $a=-0.448438-0.357846I$ $b=\ \ 0.689783+0.188000I$	$-0.48340+2.36916I$	$1.57611-4.50521I$
$u=-0.604506-0.837594I$ $a=-0.448438+0.357846I$ $b=\ \ 0.689783-0.188000I$	$-0.48340-2.36916I$	$1.57611+4.50521I$
$u=\ \ 0.390242+0.879154I$ $a=\ \ 0.310445-0.133927I$ $b=-0.23755+1.43913I$	$2.56414-5.90559I$	$4.16775+8.40016I$
$u=\ \ 0.390242-0.879154I$ $a=\ \ 0.310445+0.133927I$ $b=-0.23755-1.43913I$	$2.56414+5.90559I$	$4.16775-8.40016I$
$u=\ \ 0.291312+0.893061I$ $a=-0.518425+1.133840I$ $b=\ \ 1.01576-1.21326I$	$-0.669990-1.198850I$	$0.589488-0.204869I$
$u=\ \ 0.291312-0.893061I$ $a=-0.518425-1.133840I$ $b=\ \ 1.01576+1.21326I$	$-0.669990+1.198850I$	$0.589488+0.204869I$
$u=\ \ 0.201059+0.882276I$ $a=\ \ 0.570013-0.061429I$ $b=-1.146370+0.781662I$	$3.35367+0.99605I$	$6.08668+0.22244I$
$u=\ \ 0.201059-0.882276I$ $a=\ \ 0.570013+0.061429I$ $b=-1.146370-0.781662I$	$3.35367-0.99605I$	$6.08668-0.22244I$
$u=-0.396959+0.761909I$ $a=\ \ 0.353852-0.098553I$ $b=-0.252788-0.797693I$	$0.24170+1.75473I$	$-0.43635-4.44927I$
$u=-0.396959-0.761909I$ $a=\ \ 0.353852+0.098553I$ $b=-0.252788+0.797693I$	$0.24170-1.75473I$	$-0.43635+4.44927I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.985569 + 0.598689I$ $a = -1.338090 + 0.075762I$ $b = 0.543514 - 1.234170I$	$-5.47439 - 0.97053I$	$-6.95717 + 0.21297I$
$u = 0.985569 - 0.598689I$ $a = -1.338090 - 0.075762I$ $b = 0.543514 + 1.234170I$	$-5.47439 + 0.97053I$	$-6.95717 - 0.21297I$
$u = -0.975167 + 0.760910I$ $a = -1.202040 + 0.021054I$ $b = 1.02372 + 1.38759I$	$-4.82985 + 6.52855I$	$-5.30987 - 5.93880I$
$u = -0.975167 - 0.760910I$ $a = -1.202040 - 0.021054I$ $b = 1.02372 - 1.38759I$	$-4.82985 - 6.52855I$	$-5.30987 + 5.93880I$
$u = -0.704227 + 1.101200I$ $a = -0.164791 - 1.088000I$ $b = -0.89159 + 1.41508I$	$-3.55483 - 0.18354I$	$-5.27168 + 1.44891I$
$u = -0.704227 - 1.101200I$ $a = -0.164791 + 1.088000I$ $b = -0.89159 - 1.41508I$	$-3.55483 + 0.18354I$	$-5.27168 - 1.44891I$
$u = 0.581677 + 1.185630I$ $a = -0.272346 + 1.132270I$ $b = -0.42884 - 2.03294I$	$-3.30526 - 4.99735I$	$-4.49983 + 4.97284I$
$u = 0.581677 - 1.185630I$ $a = -0.272346 - 1.132270I$ $b = -0.42884 + 2.03294I$	$-3.30526 + 4.99735I$	$-4.49983 - 4.97284I$
$u = -0.574590 + 0.262572I$ $a = 0.828257 - 0.616246I$ $b = 0.014775 - 0.612549I$	$-0.98087 + 1.09493I$	$-5.80678 - 3.92220I$
$u = -0.574590 - 0.262572I$ $a = 0.828257 + 0.616246I$ $b = 0.014775 + 0.612549I$	$-0.98087 - 1.09493I$	$-5.80678 + 3.92220I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.978178 + 0.990672I$ $a = 0.991907 + 0.901079I$ $b = -0.57751 - 1.46799I$	$-10.30070 + 3.59687I$	$-2.12620 - 2.06254I$
$u = -0.978178 - 0.990672I$ $a = 0.991907 - 0.901079I$ $b = -0.57751 + 1.46799I$	$-10.30070 - 3.59687I$	$-2.12620 + 2.06254I$
$u = -1.12687 + 0.87702I$ $a = 1.01739 + 0.99553I$ $b = 0.581005 - 1.085740I$	$-15.7264 - 5.1315I$	$-4.99224 + 2.26947I$
$u = -1.12687 - 0.87702I$ $a = 1.01739 - 0.99553I$ $b = 0.581005 + 1.085740I$	$-15.7264 + 5.1315I$	$-4.99224 - 2.26947I$
$u = 0.553000 + 0.079189I$ $a = 1.19162 - 0.95512I$ $b = 0.541286 - 0.641792I$	$0.51946 - 3.30014I$	$-3.55846 + 2.28251I$
$u = 0.553000 - 0.079189I$ $a = 1.19162 + 0.95512I$ $b = 0.541286 + 0.641792I$	$0.51946 + 3.30014I$	$-3.55846 - 2.28251I$
$u = 1.11285 + 0.95383I$ $a = 1.03608 - 0.96278I$ $b = 0.35648 + 1.52175I$	$-17.5409 - 1.1078I$	$-6.65030 + 1.84113I$
$u = 1.11285 - 0.95383I$ $a = 1.03608 + 0.96278I$ $b = 0.35648 - 1.52175I$	$-17.5409 + 1.1078I$	$-6.65030 - 1.84113I$
$u = -0.93478 + 1.13030I$ $a = 1.030020 + 0.817450I$ $b = -1.15562 - 2.30328I$	$-14.8325 + 12.6268I$	$-3.98580 - 6.37716I$
$u = -0.93478 - 1.13030I$ $a = 1.030020 - 0.817450I$ $b = -1.15562 + 2.30328I$	$-14.8325 - 12.6268I$	$-3.98580 + 6.37716I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.98846 + 1.10575I$ $a = 1.042800 - 0.852917I$ $b = -0.75564 + 2.24982I$	$-16.9917 - 6.5550I$	$-6.22803 + 2.34101I$
$u = 0.98846 - 1.10575I$ $a = 1.042800 + 0.852917I$ $b = -0.75564 - 2.24982I$	$-16.9917 + 6.5550I$	$-6.22803 - 2.34101I$
$u = -0.002637 + 0.401944I$ $a = -0.40921 - 2.57831I$ $b = 1.287540 + 0.119160I$	$0.99468 + 3.59879I$	$-0.61353 - 4.53406I$
$u = -0.002637 - 0.401944I$ $a = -0.40921 + 2.57831I$ $b = 1.287540 - 0.119160I$	$0.99468 - 3.59879I$	$-0.61353 + 4.53406I$
$u = 0.387505$ $a = -3.03811$ $b = 0.784090$	-1.97384	-5.96760

II. $I_2^u = \langle b^4 + 4b^3u - 4b^3 - 4b^2u + u - 1,\ a - u + 1,\ u^2 - u + 1\rangle$

(i) Arc colorings

$$a_3 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_4 = \begin{pmatrix} 1 \\ u-1 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} u-1 \\ b \end{pmatrix}$$
$$a_7 = \begin{pmatrix} b+u-1 \\ b \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} b^2u - 2b - u + 1 \\ b^2u - b + u \end{pmatrix}$$
$$a_2 = \begin{pmatrix} u \\ -u \end{pmatrix}$$
$$a_1 = \begin{pmatrix} 0 \\ -u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -u+1 \\ -b+u \end{pmatrix}$$
$$a_5 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -b-u+1 \\ -bu+u \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} 2b^2u - 4b \\ b^3u - b^3 - b^2u - b^2 - 2bu + b + u - 1 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -4b^2u + 4b^2 + 8bu + 4u - 4$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_4	$(u^2 - u + 1)^4$
c_2	$(u^2 + u + 1)^4$
c_5	$(u + 1)^8$
c_6	$u^8 + 4u^7 + 12u^6 + 16u^5 + 15u^4 - 8u^3 - 4u^2 + 1$
c_7, c_{11}	$(u^4 + 2u^2 + 2)^2$
c_8	$u^8 - 4u^7 + 12u^6 - 16u^5 + 15u^4 + 8u^3 - 4u^2 + 1$
c_9	$(u - 1)^8$
c_{10}	$(u^4 - 2u^2 + 2)^2$
c_{12}	$(u^2 - 2u + 2)^4$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_3 c_4	$(y^2 + y + 1)^4$
c_5, c_9	$(y - 1)^8$
c_6, c_8	$y^8 + 8y^7 + 46y^6 + 160y^5 + 387y^4 - 160y^3 + 46y^2 - 8y + 1$
c_7, c_{11}	$(y^2 + 2y + 2)^4$
c_{10}	$(y^2 - 2y + 2)^4$
c_{12}	$(y^2 + 4)^4$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.500000 + 0.866025I$ $a = -0.500000 + 0.866025I$ $b = 0.344777 + 0.313008I$	$0.82247 - 5.69375I$	$-2.00000 + 7.46410I$
$u = 0.500000 + 0.866025I$ $a = -0.500000 + 0.866025I$ $b = -0.443461 - 0.142082I$	$0.82247 + 1.63398I$	$-2.00000 - 0.53590I$
$u = 0.500000 + 0.866025I$ $a = -0.500000 + 0.866025I$ $b = 1.44346 - 1.58997I$	$0.82247 + 1.63398I$	$-2.00000 - 0.53590I$
$u = 0.500000 + 0.866025I$ $a = -0.500000 + 0.866025I$ $b = 0.65522 - 2.04506I$	$0.82247 - 5.69375I$	$-2.00000 + 7.46410I$
$u = 0.500000 - 0.866025I$ $a = -0.500000 - 0.866025I$ $b = -0.443461 + 0.142082I$	$0.82247 + 5.69375I$	$-2.00000 - 7.46410I$
$u = 0.500000 - 0.866025I$ $a = -0.500000 - 0.866025I$ $b = 0.344777 - 0.313008I$	$0.82247 - 1.63398I$	$-2.00000 + 0.53590I$
$u = 0.500000 - 0.866025I$ $a = -0.500000 - 0.866025I$ $b = 1.44346 + 1.58997I$	$0.82247 - 1.63398I$	$-2.00000 + 0.53590I$
$u = 0.500000 - 0.866025I$ $a = -0.500000 - 0.866025I$ $b = 0.65522 + 2.04506I$	$0.82247 + 5.69375I$	$-2.00000 - 7.46410I$

III. $\boldsymbol{I_3^u = \langle b^3 - 3b^2u - 3b^2 + 3bu + 1,\ a + u + 1,\ u^2 + u + 1\rangle}$

(i) Arc colorings

$$a_3 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 1 \\ -u-1 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -u-1 \\ b \end{pmatrix}$$

$$a_7 = \begin{pmatrix} b-u-1 \\ b \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} b^2u+2b-u-1 \\ b^2u+b+u \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -u-1 \\ b+u \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 0 \\ -u \end{pmatrix}$$

$$a_8 = \begin{pmatrix} b-u-1 \\ -bu+u \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0 \\ -b^2+2bu+2b \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -2b^2u - 2b^2 + 4bu - 4u - 6$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_4	$(u^2 - u + 1)^3$
c_2, c_3, c_6 c_8	$(u^2 + u + 1)^3$
c_5	$(u - 1)^6$
c_7, c_{10}, c_{11} c_{12}	u^6
c_9	$(u + 1)^6$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_3 c_4, c_6, c_8	$(y^2 + y + 1)^3$
c_5, c_9	$(y - 1)^6$
c_7, c_{10}, c_{11} c_{12}	y^6

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.500000 + 0.866025I$ $a = -0.500000 - 0.866025I$ $b = 0.500000 + 0.866025I$	$-1.64493 + 2.02988I$	$-6.00000 - 3.46410I$
$u = -0.500000 + 0.866025I$ $a = -0.500000 - 0.866025I$ $b = 0.500000 + 0.866025I$	$-1.64493 + 2.02988I$	$-6.00000 - 3.46410I$
$u = -0.500000 + 0.866025I$ $a = -0.500000 - 0.866025I$ $b = 0.500000 + 0.866025I$	$-1.64493 + 2.02988I$	$-6.00000 - 3.46410I$
$u = -0.500000 - 0.866025I$ $a = -0.500000 + 0.866025I$ $b = 0.500000 - 0.866025I$	$-1.64493 - 2.02988I$	$-6.00000 + 3.46410I$
$u = -0.500000 - 0.866025I$ $a = -0.500000 + 0.866025I$ $b = 0.500000 - 0.866025I$	$-1.64493 - 2.02988I$	$-6.00000 + 3.46410I$
$u = -0.500000 - 0.866025I$ $a = -0.500000 + 0.866025I$ $b = 0.500000 - 0.866025I$	$-1.64493 - 2.02988I$	$-6.00000 + 3.46410I$

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u^2-u+1)^7)(u^{35}+54u^{34}+\cdots+132u-1)$
c_2	$((u^2+u+1)^7)(u^{35}-6u^{34}+\cdots-4u+1)$
c_3	$((u^2-u+1)^4)(u^2+u+1)^3(u^{35}+2u^{34}+\cdots+2u-1)$
c_4	$((u^2-u+1)^7)(u^{35}-6u^{34}+\cdots-4u+1)$
c_5	$((u-1)^6)(u+1)^8(u^{35}+3u^{34}+\cdots-83u+13)$
c_6	$(u^2+u+1)^3(u^8+4u^7+12u^6+16u^5+15u^4-8u^3-4u^2+1)$ $\cdot(u^{35}+2u^{34}+\cdots+178664u+28669)$
c_7, c_{11}	$u^6(u^4+2u^2+2)^2(u^{35}+u^{34}+\cdots+4u+4)$
c_8	$(u^2+u+1)^3(u^8-4u^7+12u^6-16u^5+15u^4+8u^3-4u^2+1)$ $\cdot(u^{35}-2u^{34}+\cdots+342120u+112661)$
c_9	$((u-1)^8)(u+1)^6(u^{35}+3u^{34}+\cdots-83u+13)$
c_{10}	$u^6(u^4-2u^2+2)^2(u^{35}-u^{34}+\cdots-1020u+404)$
c_{12}	$u^6(u^2-2u+2)^4(u^{35}-15u^{34}+\cdots-80u+16)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$((y^2+y+1)^7)(y^{35}-138y^{34}+\cdots+4900y-1)$
c_2, c_4	$((y^2+y+1)^7)(y^{35}+54y^{34}+\cdots+132y-1)$
c_3	$((y^2+y+1)^7)(y^{35}+6y^{34}+\cdots-4y-1)$
c_5, c_9	$((y-1)^{14})(y^{35}-55y^{34}+\cdots-1795y-169)$
c_6	$(y^2+y+1)^3$ $\cdot(y^8+8y^7+46y^6+160y^5+387y^4-160y^3+46y^2-8y+1)$ $\cdot(y^{35}+42y^{34}+\cdots-5590382760y-821911561)$
c_7, c_{11}	$y^6(y^2+2y+2)^4(y^{35}+15y^{34}+\cdots-80y-16)$
c_8	$(y^2+y+1)^3$ $\cdot(y^8+8y^7+46y^6+160y^5+387y^4-160y^3+46y^2-8y+1)$ $\cdot(y^{35}-90y^{34}+\cdots-117701124860y-12692500921)$
c_{10}	$y^6(y^2-2y+2)^4(y^{35}+15y^{34}+\cdots-4334416y-163216)$
c_{12}	$y^6(y^2+4)^4(y^{35}+15y^{34}+\cdots+768y-256)$